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ERRATA AND ADDENDA

H. William Oliver has pointed out an oversight in "An elementary proof of a theorem in calculus" (D. E. Richmond, this MONTHLY, 92 (1985) 589). The author argues that since $[u_n, v_n]$ converges to x and

$$\frac{f(u_n) - f(v_n)}{u_n - v_n} \geq C \geq 0 \quad \text{and} \quad f'(x) = 0,$$

then necessarily $C = 0$. Oliver notes that the validity of this assertion depends upon x being between u_n and v_n, in which case

$$C \leq \frac{f(u_n) - f(x)}{u_n - x} + \frac{f(x) - f(v_n)}{x - v_n}$$

and Richmond's conclusion is obtained.

L. E. Mattics and F. W. Dodd state that they have been able to improve their result $f(n) \leq n$ in their paper "A bound for the number of multiplicative partitions", this MONTHLY, 93 (1986) 125–126, to $f(n) \leq n/\log(n)$ for all $n > 1$, $n \neq 144$, thus settling a second conjecture of Hughes and Shallit. They also wish to inform the readers of the article, "On a problem of Oppenheim concerning 'Factorisatio Numerorum'," by Canfield, Erdős, and Pomerance (Journal of Number Theory, 17 (1983) 1–28) which contains some remarkable asymptotic results for $f(n)$.

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